

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Todd W. Snyder		09/21/2004
RECEIVING PARTY DATA		
Name:	Union Pacific Railroad Company	
Street Address:	1416 Dodge Street	
City:	Omaha	
State/Country:	NEBRASKA	
Postal Code:	68197	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	10400589	
CORRESPONDENCE DATA		
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
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NAME OF SUBMITTER:	Shane M. Niebergall	
Total Attachments: 5 source=Snyder589#page1.tif source=Snyder589#page2.tif source=Snyder589#page3.tif source=Snyder589#page4.tif source=Snyder589#page5.tif		

CH \$40.00 10400589

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PATENT  
REEL: 015173 FRAME: 0473

## ASSIGNMENT

1 In consideration of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to UNION PACIFIC RAILROAD COMPANY, a Utah corporation, having an address of 1416 Dodge Street, Omaha, Nebraska 68197, its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, Serial No. 10/400,589, filed in the United States Patent Office on the 26th day of March, 2003, entitled STATISTICAL AND TREND ANALYSIS OF RAILROAD BEARING TEMPERATURES, and in said application and any and all other applications for United States Letters Patent, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to UNION PACIFIC RAILROAD COMPANY.

For said considerations, the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and for the said considerations the undersigned further agrees, upon the request of said

assignee, its successors or assigns, in the event of any application or Letters Patent assigned hereby becoming involved in interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns in the matter of preparing and executing the preliminary statement and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent of the United States and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made, together with all claims for damages by reason of past infringement of said Letters Patent with the right to sue for and collect the same for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives.

And for said considerations, the undersigned hereby assigns to said assignee, its successors and assigns, the entire right, title and interest in said invention or improvements for any and all foreign countries and agrees upon the request of assignee, its successors and assigns, to execute any and all documents that undersigned shall be requested to execute in connection with any and all applications for foreign Letters Patent therefore, including the prosecution thereof, and to execute any and all documents necessary to vest title in said foreign applications and patents in assignee.

The attorneys of record are hereby authorized to insert the serial number and filing date in the above blank spaces when received from the Patent Office.

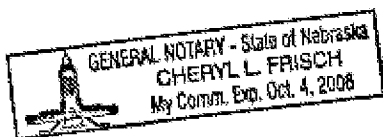
Witness my hand and seal this 21 day of Sept, 2004.

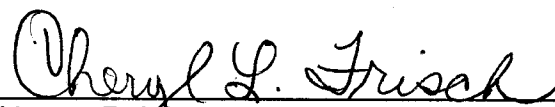
  
TODD W. SNYDER

STATE OF NEBRASKA ]  
COUNTY OF DOUGLAS ] ss.

On this 21st day of Sept, 2004, before me, a Notary Public in and for the county and state aforesaid, appeared TODD W. SNYDER, to me personally known to be the person whose name is subscribed to the foregoing instrument and acknowledged that he executed said instrument as his free and voluntary act for the uses and purposes therein expressed.

Witness my hand and seal the day and year last above given.



  
Notary Public